

Attorney Docket Number O-2000.605 US

In the Claims**Claims 1 - 8 Cancelled**

9. (Currently Amended) An isolated and purified *Lawsonia intracellularis* outer membrane protein, said protein being immunoreactive with antisera to SEQ ID NO: 2 and having a molecular weight of about 37 kD as determined by sodium dodecyl sulphate polyacrylamide gel electrophoresis.

Claims 10 - 12 Cancelled

13. (Previously presented) The *Lawsonia intracellularis* Outer Membrane Protein according to claim 9, comprising SEQ ID NO: 2.

Claims 14 - 17 Cancelled

18. (Currently amended) An immunogenic composition comprising an immunogenically effective amount of a the protein according to claim 9, and a pharmaceutically acceptable carrier.

19. (Previously amended) An immunogenic composition according to claim 18, comprising an adjuvant.

Attorney Docket Number O-2000.605 US

20. (Previously amended) The immunogenic composition according to claim 18, comprising at least one antigen in addition to the *Lawsonia intracellularis* outer membrane protein derived from a virus or micro-organism pathogenic to pigs or genetic information encoding said antigen.

21. (Previously amended) The immunogenic composition according to claim 20, wherein said virus or micro-organism pathogenic to pigs is selected from the group consisting of *Pseudorabies virus*, *Porcine influenza virus*, *Porcine parvo virus*, *Transmissible gastro-enteritis virus*, *Rotavirus*, *Escherichia coli*, *Erysipelo rhusiopathiae*, *Bordetella bronchiseptica*, *Salmonella cholerasuis*, *Haemophilus parasuis*, *Pasteurella multocida*, *Streptococcus suis*, *Mycoplasma hyopneumoniae* and *Actinobacillus pleuropneumoniae*.

Claims 22 - 37 Cancelled

38. (Currently amended) An immunogenic composition for combating *Lawsonia intracellularis* infection comprising a the protein according to claim 9.